

1130 U.S. PTO  
02/06/02

PTO/SB/05 (03-01)  
Approved for use through 10/31/2002. OMB 0651-0032

|   |  |   |  |
|---|--|---|--|
| <b>UTILITY<br/>PATENT APPLICATION<br/>TRANSMITTAL</b><br><i>(Only for new nonprovisional applications under 37 CFR 1.53(b))</i> |  | Attorney Docket No. <b>740145-221</b>   |  |
|   |  | First Inventor <b>Hideki FUJITUGU</b>   |  |
|   |  | Title <b>SUBSTRATE TREATMENT DEVICE<br/>USING A DIELECTRIC BARRIER<br/>DISCHARGE LAMP</b> |  |
|   |  | Express Mail Label No. _____  |  |

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
*(Submit an original and a duplicate for fee processing)*
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages **17**]  
*(preferred arrangement set forth below)*
  - Descriptive title of the invention
  - Cross Reference to Related Applications *(if applicable)*
  - Statement Regarding Fed sponsored R & D *(if applicable)*
  - Reference to sequence listing, a table, or a computer program listing appendix *(if applicable)*
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings *(if filed)*
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets **4**]
5. Oath or Declaration [Total Pages **1**]
  - a. ☐ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63(d))  
*(for continuation/divisional with Box 18 completed)*
  - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)
6. ☒ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all necessary)*
  - a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies; or
    - ii. ☐ paper
  - c. ☐ Statements verifying identity of above copies

|   |  |
|---|--|
| <b>ACCOMPANYING APPLICATION PARTS</b>   |  |
| <ol style="list-style-type: none"> <li>9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet &amp; document(s))</li> <li>10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney<br/><i>(when there is an assignee)</i></li> <li>11. <input type="checkbox"/> English Translation Document <i>(if applicable)</i></li> <li>12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations</li> <li>13. <input type="checkbox"/> Preliminary Amendment</li> <li>14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503)<br/><i>(Should be specifically itemized)</i></li> <li>15. <input type="checkbox"/> Certified Copy of Priority Document(s)<br/><i>(if foreign priority is claimed)</i></li> <li>16. <input type="checkbox"/> Nonpublication request under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.</li> <li>17. <input type="checkbox"/> Other: _____</li> </ol> |  |



18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation    ☐ Divisional    ☐ Continuation-in-part (CIP)

of prior application No.: \_\_\_\_\_ / \_\_\_\_\_

Prior application information: \_\_\_\_\_ Examiner: \_\_\_\_\_ Group / Art Unit: \_\_\_\_\_

**For CONTINUATION OR DIVISIONAL APPS only:** The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

|   |  |
|---|--|
| <b>19. CORRESPONDENCE ADDRESS</b>   |  |
| <input checked="" type="checkbox"/> Customer Number or Bar Code Label                         | or <input type="checkbox"/> Correspondence address below |
|            |  |
| Name _____  |  |
| Address _____   |  |
| City _____  | State _____ Zip Code _____                               |
| Country _____   | Telephone _____ Fax _____                                |
| Name (Print/Type) <b>David S. Safran</b>  | Registration No. (Attorney/Agent) <b>27,997</b>          |
| Signature  | Date <b>February 6, 2002</b>                             |

1130 U.S. PTO  
02/06/02

10066649 "020602"

**FEE TRANSMITTAL  
FOR FY 2001**

Patent fees are subject to annual revision.

Complete if Known

|                      |                  |
|----------------------|------------------|
| Application Number   | New Application  |
| Filing Date          | February 6, 2002 |
| First Named Inventor | Hideki FUJITUGU  |
| Examiner Name        | Unknown          |
| Group Art Unit       | Unknown          |
| Attorney Docket No.  | 740145-221       |

**TOTAL AMOUNT OF PAYMENT** (\$780.00)**METHOD OF PAYMENT**

- 1.
- ☒
- The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number 19-2380(740145-221)

Deposit Account Name Nixon Peabody LLP

- ☒
- Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

☐ Applicant claims small entity status. See 37 CFR 1.27

- 2.
- ☒
- Payment Enclosed:

☒ Check ☐ Credit Card ☐ Money Order ☐ Other**FEE CALCULATION****1. BASIC FILING FEE**

| Large Entity Fee Code | Large Entity Fee (\$) | Small Entity Fee Code | Small Entity Fee (\$) | Fee Description        | Fee Paid |
|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|----------|
| 101                   | 740                   | 201                   | 370                   | Utility filing fee     | 740.00   |
| 106                   | 330                   | 206                   | 165                   | Design filing fee      |          |
| 107                   | 510                   | 207                   | 255                   | Plant filing fee       |          |
| 108                   | 740                   | 208                   | 370                   | Reissue filing fee     |          |
| 114                   | 160                   | 214                   | 80                    | Provisional filing fee |          |

**SUBTOTAL (1)** (\$740.00)**2. EXTRA CLAIM FEES**

| Total Claims       | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| 6                  | -20** = 0    | 18.00          | 0        |
| Independent Claims | 2            | -3** = 0       | 84.00    |
| Multiple Dependent |              | 280.           | 0        |

| Large Entity Fee Code | Large Entity Fee (\$) | Small Entity Fee Code | Small Entity Fee (\$) | Fee Description  |
|-----------------------|-----------------------|-----------------------|-----------------------|--|
| 103                   | 18                    | 203                   | 9                     | Claims in excess of 20                                     |
| 102                   | 84                    | 202                   | 42                    | Independent claims in excess of 3                          |
| 104                   | 280                   | 204                   | 140                   | Multiple dependent claim, if not paid                      |
| 109                   | 84                    | 209                   | 42                    | ** Reissue independent claims over original patent         |
| 110                   | 18                    | 210                   | 9                     | ** Reissue claims in excess of 20 and over original patent |

**SUBTOTAL (2)** (\$0)

\*\*or number previously paid, if greater; For Reissues, see above

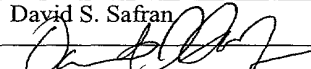
**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

| Large Entity Fee Code | Large Entity Fee (\$) | Small Entity Fee Code | Small Entity Fee (\$) | Fee Description  | Fee Paid |
|-----------------------|-----------------------|-----------------------|-----------------------|--|----------|
| 105                   | 130                   | 205                   | 65                    | Surcharge - late filing fee or oath  |          |
| 127                   | 50                    | 227                   | 25                    | Surcharge - late provisional filing fee or cover sheet                     |          |
| 139                   | 130                   | 139                   | 130                   | Non-English transaction  |          |
| 147                   | 2,520                 | 147                   | 2,520                 | For filing a request for <i>ex parte</i> reexamination                     |          |
| 112                   | 920*                  | 112                   | 920*                  | Requesting publication of SIR prior to Examiner action                     |          |
| 113                   | 1,840*                | 113                   | 1,840*                | Requesting publication of SIR after Examiner action                        |          |
| 115                   | 110                   | 215                   | 55                    | Extension for reply within first month                                     |          |
| 116                   | 400                   | 200                   | 200                   | Extension for reply within second month                                    |          |
| 117                   | 920                   | 460                   | 460                   | Extension for reply within third month                                     |          |
| 118                   | 1,440                 | 720                   | 720                   | Extension for reply within fourth month                                    |          |
| 128                   | 1,960                 | 228                   | 980                   | Extension for reply within fifth month                                     |          |
| 119                   | 320                   | 219                   | 160                   | Notice of Appeal   |          |
| 120                   | 320                   | 220                   | 160                   | Filing a brief in support of an appeal                                     |          |
| 121                   | 280                   | 221                   | 140                   | Request for oral hearing   |          |
| 138                   | 1,510                 | 138                   | 1,510                 | Petition to institute a public use proceeding                              |          |
| 140                   | 110                   | 240                   | 55                    | Petition to revive - unavoidable   |          |
| 141                   | 1,280                 | 241                   | 640                   | Petition to revive - unintentional   |          |
| 142                   | 1,280                 | 242                   | 640                   | Utility issue fee (or reissue)   |          |
| 143                   | 460                   | 243                   | 230                   | Design issue fee   |          |
| 144                   | 620                   | 244                   | 310                   | Plant issue fee  |          |
| 122                   | 130                   | 122                   | 130                   | Petitions to the Commissioner  |          |
| 123                   | 50                    | 123                   | 50                    | Processing fee under 37 CR 1.17(q)   |          |
| 126                   | 180                   | 126                   | 180                   | Submission of Information Disclosure Stmt                                  |          |
| 581                   | 40                    | 581                   | 40                    | Recording each patent assignment per property (times number of properties) | 40.00    |
| 146                   | 740                   | 246                   | 370                   | Filing a submission after final rejection (37 CFR § 1.129(a))              |          |
| 149                   | 740                   | 249                   | 370                   | For each additional invention to be examined (37 CFR § 1.29(b))            |          |
| 179                   | 740                   | 279                   | 370                   | Request for Continued Examination (RCE)                                    |          |
| 169                   | 900                   | 169                   | 900                   | Request for expedited examination of a design application                  |          |

Other fee (specify) \_\_\_\_\_

\* Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)** (\$40.00)**SUBMITTED BY**

|                   |   |                                   |        |           |                  |
|-------------------|---|-----------------------------------|--------|-----------|------------------|
| Name (Print/Type) | David S. Safran   | Registration No. (Attorney/Agent) | 27,997 | Telephone | 703-790-9110     |
| Signature         |  |                                   |        | Date      | February 6, 2002 |

Complete (if applicable)